

(2010 scheme)

Biochemistry and Nutrition

Time : 3 hrs

Max marks : 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays:

(2x10=20)

1. What is urea and describe its formation
2. Describe the source, functions and deficiency manifestations of vitamin A

Short notes:

(10x5=50)

3. Significance of HMP pathway
4. Transaminases and its significance
5. Gluconeogenesis
6. Disaccharides
7. Classification of enzymes
8. Protein-energy malnutrition
9. Biochemical functions of ascorbic acid
10. Creatinine clearance
11. Glycogenolysis
12. GTT

Answer briefly:

(10x3=30)

13. Anion gap
14. Ketosis
15. LDL
16. Lactose intolerance
17. Cholesterol
18. Cori's cycle
19. Lipoproteins
20. Antioxidants
21. Gout
22. Biochemical functions of calcium